



Information Assurance Certification

6 August 2002

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IA Certification Approach

- System Security Accreditation Agreement
 - Framework
 - Capstone document
 - Defines approach and activities to achieve certification and accreditation
 - Document begun during JV1 development
 - UPCs
 - Tailored SSAA to be included with the Capstone SSAA document.
 - Allow 6-8 months for document development, testing and reporting.

Information Assurance Funding

- Framework
 - PMA-233 provides funding to NRL for Certification Agent services.
 - There is no additional cost.
- UPC
 - TAMPS MPM migrating to JMPS UPC - NRL estimate of no additional cost
 - New JMPS UPC - NRL estimate of \$10K

GPS Crypto Key

- JC1 Capstone SSAA
 - Include a copy of the GPS Crypto key CONOPS.
 - Test cases to verify GPS Crypto key implementation.
- UPCs utilizing GPS keys
 - Must write a GPS Crypto Key CONOPS.
 - UPC approved GPS Crypto Key CONOPS will be included in the UPC SSAA.
 - Test cases to verify GPS Crypto key implementation.

Certification Testing Elements

- Common Criteria
 - Security Target
- Umbrella Guidance
 - Directives, Instructions, and Guidelines from
 - Department of Defense
 - Department of the Air Force
 - Department of the Navy
 - Service Specific Documents
- National Security Agency
 - NISTISSI 3006 - GPS Key
 - Secure Configuration Guides
- Other Sources

Additional Information Assurance Testing

Penetration Testing

- AFIWC
- FIWC
- Certification Agent

JV1 & JC1 CT&E Testing

- Location - TBD
 - Framework
 - NGIT, SSA, or SPAWAR Philly
 - UPC
 - UPC location

JV1 & JC1 CT&E Testing

(Continued)

- Test personnel
 - Framework
 - Certification Agent - Marie McPartland, NRL
 - JMPS SWG IPT members
 - NGIT Developer support or SSA personnel
 - UPC
 - UPC personnel
 - Coordination with Certification Agent

CT&E Results

- Failed CT&E test cases are identified in SSAA Appendix Q, Test and Evaluation Report and Appendix S, Residual Risk Assessment
- Penetration Testing
 - Report to be included in Appendix Q and S.
- CT&E findings will also be entered into the configuration management (DR, STR, etc.) process.

IATO

- Needed for any non-developmental site.
- A briefing is made to the Developmental Designated Approving Authority.
 - Provides an overview of the system, the report on certification testing and an initial risk assessment.
 - Request an Interim Authority to Operate for the DT Assist or OT period.
- DDAA issues IATO letter.

JV1 and JC1 Certification Testing Schedule

[illegible]

JV1 Certification Schedule

- JV1 Beta 5.2 Delivery - 9/23/02
- CT&E Testing
 - 2 weeks 9/23/02
 - SSAA Report and Risk Assessment - 2 weeks 10/7/02
- IATO
 - Develop DAA IATO Brief - 1 week 10/28/02
 - IATO Letter for DT Assist - 1 day 11/5/02
- Monitor JV1 CT&E Work

JC1 Schedule

- JC1 Delivered Mon 3/3/03
- CT&E testing
 - Framework - 2 weeks 3/3/03
 - UPC - begin at UPC Test, end before UPC test period. 3/3/03 - 5/30/03
 - SSAA Report and Risk Assessment - Over a 3 month period. 6/2/03 - 9/5/03
- IATO
 - Develop DAA IATO Brief - 1 week 9/8/03
 - IATO Letter for OT 1 day 9/16/03

JC1 Schedule

(Continued)

- ATO
 - Certification Endorsement - 1
Month 4/1/04
 - Develop Accreditation Brief - 1
Month 4/1/04
 - ATO Letter - 5 Days 5/3/04

Questions?